	Туре	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	91279	panel or pannels) near5 (mail or mailpiece or envelope or item or	USPAT; USOCR;	2005/02/16 12:25
2	BRS	L2	15997	(mail or mailpiece or envelope or item or package or mailier) near5 (reply or replied or replying or return)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	2005/02/16 12:25
3	BRS	L3	865	2 near5 (layer or layers or ply or plies or sheets or panel or pannels)	i i	2005/02/16 12:26
4	BRS	L4	542	1 near10 3		2005/02/16 12:26

1 US 3211469 A 19651012 (see ima 2 US 3507519 A 19700421 (see ima 3 US 3554438 A 19710112 Van Mald 4 US 3837565 A 19740924 L. 5 US 3905545 A 19750916 Juszak; 6 US 3941307 A 19760302 Van Mald 7 US 4002290 A 19770111 Edmund G 8 US 4023727 A 19770517 Tess; Th 9 US 4157759 A 19790612 Dicker; 10 US RE30114 E 19791016 Juszak; 11 US 4435001 A 19840306 Wills; L		Document ID	Issue Date	Inventor	Current OR Cu	$\overline{}$
US 3507519 A 19700421 US 3554438 A 19710112 US 3837565 A 19740924 US 3905545 A 19750916 US 3941307 A 19770302 US 4022290 A 19770111 US 4023727 A 19770517 US 4157759 A 19790612 US RE30114 E 19791016 US 4435001 A 19840306	1	3211469	19651012	(see image)	229/	9/69
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US 4023727 A 19770517 Tess; Th US 4157759 A 19790612 Dicker; US RE30114 E 19791016 J. et al US 4435001 A 19840306 et al.	7	4002290	19770111	Van Malderghem; Edmund G.		229/69 229
US 4157759 A 19790612 Dicker; US RE30114 E 19791016 J. et al US 4435001 A 19840306 et al.	8	4023727	19770517	Tess; Thomas H.		229/69 229
US RE30114 E 19791016 J. et al US 4435001 A 19840306 et al.	9	4157759	19790612	Dicker; David		229/301 229
US 4435001 A 19840306 Mills;	10	RE30114	19791016	szak	L	229/305 229
	11	4435001	19840306	Mills; Larry E. et al.		229/69 229

L4 results

	Document ID	Issue Date	Inventor	Current OR	OR Current XRef	Pages
12	US 4744508 A	19880517	Fowler; Terry J. et al.	229/301	229/69	б
13	EP 268410 A2	19880525	SWIERCZ, WILLIAM D		229/301	7
14	US 4770337 A	19880913	Leibe; Stephen A.	229/69	229/301; 229/305	12
15	US RE32971 E	19890704	Mills; Larry E. et al.	229/69		16
16	US 5011069 A	19910430	Bowen; Charles G. et al.	229/69	229/305	11
17	US 5039000 A	19910813	Ashby; Robert E.	229/304	229/305; 229/69	11
18	US 5163612 A	19921117	Ashby; Robert E.	229/301	229/313; 229/316	δ
19	EP 527588 A1	19930217	FILE, JERRY E		283/116	16
20	US 5248082 A	19930928	Elmlinger; Gene L.	229/303	229/305; 229/306	9
21	US 5307989 A	19940503	Dyer; Michael C.	229/305	229/304; 229/306; 229/314	7
22	US 5324927 A	19940628	Williams; Robert L.	235/494	209/584; 229/68.1; 283/116	л
23	US 5346123 A	19940913	Lombardo; Leo	229/305	229/69; 229/92.1	10
24	US 5409441 A	19950425	Muscoplat; Richard D.	493/223	493/220; 493/248	66
25	US 5429298 A	19950704	Stanley	229/305	229/69	0
26	US 5598970 A	19970204	Mudry; Oleh B. et al.	229/305	229/300; 229/314	17

L4 results

28	27	
US 6505770 B1	US 5640835 A	Document ID
20030114	19970624	Issue Date
Correa, Jr.; Manuel A.	Muscoplat; Richard	Inventor
229/301	53/569	Current OR Curr
229/316	101/248; 101/424.1; 101/483; 53/117; 53/284.3; 53/520	ent
23	78	XRef Pages

L4 results

DOCUMENT-IDENTIFIER: US 3554438 A TITLE: CORRESPONDENCE ASSEMBLY

DATE-ISSUED: January 12, 1971

INVENTOR-INFORMATION:

NAME CITY STATE Van Malderghem; Edmund G. Lewiston NY

US-CL-CURRENT: 229/69, 206/232, 206/804, 229/314, 428/43, 462/6, 462/64

ABSTRACT: The envelope and data sheets combination comprises a top or face mailing envelope member, a bottom or back mailing envelope member, and one or more intervening insert members, which last-named may be a single data sheet, multiple data sheets, a return envelope, or combinations thereof. The top and bottom marginal portions and one side portion of one face and back sheets are glued or pasted directly together to form the closed sides of the pocket comprising the mailing envelope. A stub portion of the intervening insert members and the remaining side portions of the face and back of the envelope are glued together and the insert members are cropped on the top and bottom and first-named side portion to be free of the glued attachment of the envelope parts along those edges of the assembly. A line of perforations in the face and back members of the envelope extend along the first-named side portion inwardly of the line of gluing, and a keener line of perforations extend along the opposite side edge of the insert member.

In the simultaneous bursting of the envelope and removal of the insert, the stub margin of the assembly is gripped outwardly of the position of the keen line of separation in the insert, and the opposite extraction side margin of the assembly is gripped in effect just outside of the line of perforation in the envelope parts and, more importantly, to include the free end of the insert which is preformed to extend that far, but no farther. A sharp tug applied to the assembly tears the extraction end of the envelope structure along the line of perforations and separates that end portion from the main body of the envelope structure; and the gripped free end of the insert comes along with that severed end portion of the envelope but being unattached thereto. At the same time the insert is separated from its stub portion at the opposite end of the assembly along the line of keen perforations. Thus, the bursting of the envelope and the removal of the insert occurs through a single quick movement.

Modifications include similar gluing and perforating patterns for inserts including return envelopes of both side and top opening types.

7 Claims, 20 Drawing figures Number of Drawing Sheets: 3

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Drawing Description Text - DRTX (10): FIGS. 8 to 15 are plan views disclosing the construction of an envelope assembly involving a return envelope as well as a sheet insert, the elements comprising the FIGS. being identified as follows:

Detailed Description Text - DETX (26): Next in line will be the message or data bearing insert portion 53 with its feed strip 53a, its stream paste line 53'. The keen perforation tear line for this insert portion is indicated by the broken line at 53". The top of the return envelope is shown at 54 and the bottom or back panel at 55, this element having the feed strip 55a, the envelope assembly stream paste line 56, the keen perforation bursting line 57, the regluing line 60 on the flap portion 58 of the return envelope and the fold line 59 whereby this flap may be bent over and secured to the body portion of the return envelope. The pattern glue line 61 is also indicated here.

DOCUMENT-IDENTIFIER: US 3905545 A

TITLE: Continuous forms assembly DATE-ISSUED: September 16, 1975

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Juszak; Joseph J. Crystal Lake IL N/A N/A Absler; Howard K. Skokie IL N/A N/A

US-CL-CURRENT: 229/69, 206/232

ABSTRACT: A continuous form envelope assembly, wherein a plurality of superimposed plies define mailing envelopes with inserts, including return envelopes therein. Transverse lines of weakening across the plies define the individual envelopes. The return envelope, which is an insert, is defined by two plies, one of which includes a flap formation whereby the return envelope may be closed. The other ply defining the return envelope, includes a protective portion adjacent the flap and which is secured to the outer envelope so that when the return envelope is extracted from the outer envelope, the protective portion remains with the outer envelope.

5 Claims, 3 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 1

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Abstract Text - ABTX (1): A continuous form envelope assembly, wherein a plurality of superimposed plies define mailing envelopes with inserts, including return envelopes therein. Transverse lines of weakening across the plies define the individual envelopes. The return envelope, which is an insert, is defined by two plies, one of which includes a flap formation whereby the return envelope may be closed. The other ply defining the return envelope, includes a protective portion adjacent the flap and which is secured to the outer envelope so that when the return envelope is extracted from the outer envelope, the protective portion remains with the outer envelope.

Detailed Description Text - DETX (12): As a result, it will be seen that in addition to the return envelope back-defining portion 60, ply 58 includes a generally L-shaped chip 76. The chip 76 in turn defines a covering portion 80, defined by the upright of the L and an attaching portion 81 defined by the base of the L. As can be seen, the covering portion 80 is aligned with the adhesive 54 to cover the same.

Detailed Description Text - DETX (17): Finally, to complete the <u>return envelope</u> <u>defined by plies</u> 38 and 58, a glue line 100 extends about three marginal edges up the ply 38 within the line of weakening 48.

Detailed Description Text - DETX (18): From the foregoing, it will be appreciated that removal of the tear strip defined by the stubs 24, 34, 46, 78 and 84 will substantially free the contacts from the outer envelope of the mailer. In this respect, the ply 26, if

present, will be completely free, while the plies 38 and 58 will be held only by the tongues 66 and 68. The tongues 66 and 68 are so weak that a gentle pull on the return envelope defined by the plies 38 and 58 will result in their severance and the free removal of the return envelope. Due to the presence of the glue line 98, the L-shaped chip 76 will remain within the outer envelope and may be discarded therewith. However, prior to such removal of the return envelope, it will be appreciated that the covering portion 80 has served to cover the adhesive 54 during storage and mailing. Thus, a continuous form envelope assembly made according to the invention eliminates any need for the recipient to remove a chip or an adhesive protective tape prior to sealing the return envelope. It therefore renders a mailer easier to use and eliminates any possibility that the flap 52 on the return envelope would be removed rather than the removable chip.

Claims Text - CLTX (1): 1. In a continuous forms envelope assembly wherein a plurality of elongated, superimposed plies including transverse lines of weakening defining individual envelopes which may be separated from the assembly therealong and wherein upper and lowermost ones of the plies define fronts and backs of envelopes with intermediate plies defining insert material within each envelope including at least a return envelope, the return envelope being defined by portions of adjacent intermediate plies, respectively defining the front and back of the return envelope, one of said adjacent plies further including an envelope flap that may be folded about and secured to the other of said adjacent plies for closing the return envelope and wherein the intermediate plies are constructed so that the insert material is free from the outer envelope along at least two, opposed, marginal edges of the outer envelope, the improvement wherein said other adjacent ply has an attaching portion secured to the outer envelope, said attaching portion being attached to a covering portion which is in substantial abutment with said flap; said attaching portion and said covering portion being loosely secured to the remainder of said other adjacent ply so that upon the opening of the outer envelope, the return envelope can be easily extracted with said attaching portion and said covering portion remaining interiorly of the outer envelope.

Claims Text - CLTX (3): 3. A continuous forms <u>envelope assembly according to claim 2 wherein said adjacent plies defining said return envelope are configured to define a top opening envelope and wherein said attaching portion and said covering portion are defined by an L-shaped chip.</u>

Claims Text - CLTX (4): 4. A continuous forms envelope assembly comprising: a plurality of at least four superimposed, elongated plies of paper, a first of said plies defining the fronts of outer envelopes; a second of said plies defining one of the fronts and the backs of return envelopes within the outer envelopes, a third of the plies defining the other of the fronts and the backs of the return envelopes within the outer envelopes, and the fourth of the plies defining the backs of the outer envelopes; said plies including transverse lines of weakening defining individual envelopes which may be separated from the assembly therealong; said first and fourth plies being secured to each other about at least three marginal edges to define a sealed outer envelope; one of said second and third plies having at least two, opposed, marginal edges free from

connection to said outer envelope and a flap extending along one marginal edge to define a sealing flap for the return envelope; the other of said second and third plies having at least one marginal edge secured to said outer envelope and a covering portion extending from said marginal edge in alignment and in substantial abutment with said flap, means separating said marginal edge and said covering portion from the remainder of said other of said second and third plies; and means securing said remainder to said one of said second and third plies to define said return envelopes.

DOCUMENT-IDENTIFIER: US 4023727 A TITLE: Mailing envelope structure and method

DATE-ISSUED: May 17, 1977 INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Tess; Thomas H. Green Bay WI N/A N/A

US-CL-CURRENT: 229/69, 229/306

ABSTRACT: A mailing envelope structure and method wherein a single sheet is advantageously provided as a business form having a plurality of envelope blanks, each blank being equipped with perpendicular lines of potential folding to divide the blank into four parts, the blank when separated from the business form being divisible into four parts along the lines of potential folding to provide an envelope packet with one part as an invoice or the like and the remaining parts serving as envelope faces both for outgoing and return

envelopes.

6 Claims, 20 Drawing figures Exemplary Claim Number: 1

Number of Drawing Sheets: 2

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Brief Summary Text - BSTX (4): A common usage of such mailers involves five plies or webs of paper, i.e., the front and back of the outgoing envelope, the front and back of the return envelope and the important information ply. Inasmuch as the information ply must be within the outgoing envelope, it is necessary to apply carbon to the inside of the front of the outgoing envelope so that the computer printer can impress the neccesary information relating to the recipient. This, on occasion, has resulted in smudging or other unsightliness. In addition, there is the problem of clarity of register of the printing because of the use of the multi-ply form. Still further, the mailer forms are relatively expensive because of the various operations performed during their manufacture, i.e., collating, cutting, applying adhesive, etc.

Detailed Description Text - DETX (34): In FIG. 19, the envelope front part 219 is seen to the extreme left and, to the right of that the folded invoice ply 220. Proceeding further to the right, we encounter the return envelope part or ply 221 and lastly (to the extreme right) the envelope back 222. The return envelope front ply 221 is connected to the outgoing envelope front ply 219 by means of the lines of adhesive 233 and 240 (as seen in FIG. 19 in exaggerated form). The other connections of the front ply 219 are not seen in FIG. 19 -- including the intergal connection along the fold line 217 and the line of adhesive 237 (also designated in FIG. 17.)

Detailed Description Text - DETX (36): Proceeding downwardly, the next ply encountered is the return envelope flap 245 and thereafter the return envelope front ply 221. The ply 221 is seen to be coextensive with the envelope outgoing front ply 219 at

the right hand edge portion as at 250 but spaced inwardly at the left hand portion as at 251. The bottom most ply is the ply 222 which is the envelope back, to both the outgoing and return envelopes. The line of potential severance 247' is also designated at the lower left hand portion of FIG. 20.

Detailed Description Text - DETX (38): The operation of the embodiment of FIGS. 11-20 is essentially the same as that described previously with respect to the embodiments of FIGS. 1-10. The recipient, upon receiving the multi-ply envelope, separates the return envelope R (see FIG. 18) from the outgoing envelope front ply 219 by separation of the adhesive lines 237, 240 and 233. Thereafter, the return envelope R is conveniently detached by separating it from the remaining portion of the envelope packet along the line of severance 247' which advantageously may be perforated at the time of manufacture. The invoice part 220, being narrower, is advantageously foldable for inclusion in the return envelope.

DOCUMENT-IDENTIFIER:

US 4157759 A

See image for Certificate of Correction

TITLE:

Continuous mailer

DATE-ISSUED:

June 12, 1979

INVENTOR-INFORMATION:

NAME

CITY Scarsdale STATE

ZIP CODE

COUNTRY

Dicker; David

NY

N/A

N/A

US-CL-CURRENT: 229/301, 229/69

ABSTRACT: The continuous mailer is provided with a removable tab portion along the top or bottom edge of the back ply. The tab portion has a free flap at one end which can be lifted so that the tab portion can be easily grasped and stripped from the mailer. Removal of the tab portion not only exposes a return mail envelope within the pocket of the continuous mailer but also effects removal of a tab portion on a rear ply of the return mail envelope. The tab portion on the front ply of the return mail envelope can be folded over to seal the pocket of the return mail envelope.

15 Claims,

7 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

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Brief Summary Text - BSTX (8): The <u>return mail envelope includes a ply</u> which has a removable tab portion fixedly secured to the tab portion of the back ply of the mailer for removal therewith. The <u>return mail envelope also has a second ply</u> secured to the first ply to define a second pocket. This second ply also has a tab portion which faces the tab portion of the first ply for folding over onto the first ply after removal of the tab portion on the first ply in order to close the pocket of the return mail envelope. This tab also carries a suitable means for sealing against the first ply.

Detailed Description Text - DETX (4): Referring to FIGS. 3 and 4, the continuous mailer 10 also has a return mail envelope 22 and an insert 23 disposed within the enclosed pocket 13 between the front and back plies 11, 12. The return mail envelope 22 is formed of two plies 24, 25 which are of the same size and shape. The ply 24 which faces the back ply 12 has a tab portion 26 which underlies and is fixedly secured to the tab portion 15 of the back ply 12, for example, by means of one or two lines 27 or dots of adhesive (see FIG. 5). This tab portion 26 is separated from the remainder of the ply 24 by a suitable line of perforations (not shown). The other ply 25 of the envelope 22 is secured about three sides to the ply 24 to define an open pocket therewith. In addition, this ply 25 has a tab portion 28 which faces and overlies the removable tab portion of the ply 24. As shown in FIG. 6, this tab portion 28 is sized for folding over the ply 24 after removal of the tab portion 26 and carries an adhesive means 29 such as a water-activated adhesive for sealing the folded over tab portion 28 against the ply 24 (FIG. 7).

Detailed Description Text - DETX (6): As shown in FIG. 3, the insert 23 is disposed behind the <u>return mail envelope</u> 22 relative to the back ply 12 of the mailer 10.

Claims Text - CLTX (15): at least a return mail envelope disposed in said enclosed pocket between said plies, said return mail envelope including a first ply having a removable tab portion underlying and secured to said tab portion of said back ply for removal therewith.

Claims Text - CLTX (17): 11. A continuous mailer as set forth in claim 9 wherein said return mail envelope includes a second ply secured to said first ply to define a second pocket, said second ply having a tab portion underlying said tab portion of said first ply for folding over onto said first ply after removal of said tab portion of said first ply, and adhesive means on said tab portion of said second ply for sealing against said first ply.

DOCUMENT-IDENTIFIER: US 4744508 A TITLE: Continuous form mailer assembly

DATE-ISSUED: May 17, 1988

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Fowler; Terry J. Grapevine TX N/A N/A Gehrhardt; Jill H. Centerville OH N/A N/A

US-CL-CURRENT: 229/301, 229/69

ABSTRACT: A mailer assembly has a front ply secured to a back ply adjacent the marginal portions of the two plies, and an intermediate ply extends to the edges of one side of the two plies with a line of adhesive between the front ply and the intermediate ply and a line of adhesive between the intermediate ply and the back ply. The intermediate ply is free along the other side of the front and back plies which are secured by dots of adhesive along such other side. The front ply has a removable tab portion to expose the intermediate ply which is removable from the front and back plies along said one side thereof.

8 Claims, 2 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 1

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 17 11 10	

Brief Summary Text - BSTX (3): The continuous mailer generally includes a front ply and a back ply which are connected together to form an envelope and which contains at least one insert ply that provides printed data or information relative to the communicated business or like matter. Some forms of mailers may also include a return envelope which is a separate item from the front ply and back ply construction. Other forms of mailers are constructed to provide a portion of the front and back ply construction for use as a return envelope. One or more inserts may be included in the mailer with such insert(s) being connected to the front or back plies in certain forms or being free of the front or back plies in other forms.

Brief Summary Text - BSTX (13): Another object of the present invention is to provide a tab opening along one side of the front ply of the mailer to expose the insert <u>ply and to enable folding of the back ply for use as a return envelope.</u>

PUB-NO: EP000268410A2

DOCUMENT-IDENTIFIER: EP 268410 A2

TITLE: Return envelope sealing flap construction.

PUBN-DATE: May 25, 1988

INVENTOR-INFORMATION:

NAME COUNTRY

SWIERCZ, WILLIAM D N/A INT-CL (IPC): B65D027/06 EUR-CL (EPC): B65D027/06

US-CL-CURRENT: 229/301

ABSTRACT:

CHG DATE=19990617 STATUS=O> An envelope construction includes an outer envelope 14 and a return envelope 22 contained therein. The return envelope 22 has a front sheet and a back sheet, both sheets being provided with marginal edges bonded together except along one edge. The front sheet extends beyond the back sheet at this one edge and has a closure flap 30 provided with an adhesive strip 34 for sealing the return envelope. First and second insert sheets, 18,20, in the nature of a bill and a copy thereof, are arranged inside the outer envelope 14 and are juxtaposed over the back sheet of the return envelope 22. One insert sheet includes an end strip 24 provided with a release agent 28 on its back side which overlies and protects the adhesive strip 34 provided on the closure flap 30 for the front sheet of the return envelope.

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Abstract Text - FPAR (1): CHG DATE=19990617 STATUS=O> An envelope construction includes an outer envelope 14 and a return envelope 22 contained therein. The return envelope 22 has a front sheet and a back sheet, both sheets being provided with marginal edges bonded together except along one edge. The front sheet extends beyond the back sheet at this one edge and has a closure flap 30 provided with an adhesive strip 34 for sealing the return envelope. First and second insert sheets, 18,20, in the nature of a bill and a copy thereof, are arranged inside the outer envelope 14 and are juxtaposed over the back sheet of the return envelope 22. One insert sheet includes an end strip 24 provided with a release agent 28 on its back side which overlies and protects the adhesive strip 34 provided on the closure flap 30 for the front sheet of the return envelope.

DOCUMENT-IDENTIFIER: US 4

US 4770337 A

TITLE: Web-type multiple-part business form stock having pre-glued but non-adhered cross-web heat seal glue lines designed for activation to seal outgoing envelopes after printing-type personalization of potential froms thereof

DATE-ISSUED:

September 13, 1988

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Leibe; Stephen A.

Coopersburg PA

N/A

N/A

US-CL-CURRENT:

229/69, 229/301, 229/305

ABSTRACT: In a web-type multiple-part business form stock having a succession of serially connected potential outgoing envelopes each containing one or more intermediate layers which may be withdrawn from the outgoing envelopes after the outgoing envelopes are received and opened by an addressee, the hitherto conventionally-used cross-web lines of cold glue used for defining the two opposite edges of the internal spaces of the potential outgoing envelopes is replaced by cross-web band patterns of hot melt adhesive applied in a customary location, but left attached only to the web surface to which it was applied, and which is not heat activated and used to adhere the respective webs together until after the form stock has been variably printed by the form manufacturer's customer, e.g. by an impact printer used in association with a carbon-type or carbonless between-layers coating provided internally of the form stock.

14 Claims, 7 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 4

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Detailed Description Text - DETX (21): Next uppermost to the continuous web 54 in the intermediate sub-assembly is a longitudinally discontinuous layer 72 which is the remainder of an originally continuous web (as will be further explained below). This layer 72 in the preferred embodiment will form the rear layer of the return envelope. This layer has a left edge 328 which corresponds to and is registered with the longitudinal rows of perforations 28, 128 and 228, and a right edge 74 which preferably is located slightly more medially of the composite web 10 than the fold line 64. The layer 72 is shown further provided with a row of sprocket holes 356, a left marginal strip 336 and a line of weakness 338 corresponding to and registered with the features 256, 236 and 238 of the continuous web 54.

DOCUMENT-IDENTIFIER: US 5163612 A

TITLE: Method of making a mailer with tear strip on outgoing and return

envelopes

DATE-ISSUED: November 17, 1992

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Ashby; Robert E. Quakertown PA N/A N/A

US-CL-CURRENT: 229/301, 229/313, 229/316

ABSTRACT: A method is provided for constructing a mailer type business form in a continuous manner so that an easy opening tear strip is provided in both the outgoing and return envelopes. This allows not only the addressee of the outgoing envelope to readily remove its contents, but allows the addressor of the outgoing envelope—when the return envelope is received thereby—to readily retrieve the contents of the return envelope. This substantially enhances the utility of the ultimate mailer product. Desirably, the tear strips are formed by a slit and perforation in the bottom sheet of each of the outgoing and return envelopes, and within the mailer the tear strips are parallel to each other. An insert is also typically provided between the top sheet of the outgoing envelope and the top sheet of the return envelope, and is pasted to outgoing envelope at the left and right.

6 Claims, 4 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 2

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Brief Summary Text - BSTX (4): According to one aspect of the present invention, a method of continuously constructing mailer type business forms is provided. The method comprises the steps of: (a) Providing first and second sheets of an outgoing envelope, each sheet having first, second, third and fourth edges. (b) Providing first and second sheets for a return envelope, each having first, second, third and fourth edges. (c) Forming a slit in the first sheet parallel to the second edge thereof, and intersecting the first edge thereof, and a perforation adjacent and parallel to the first edge, and intersecting the slit, in each of the outgoing and return envelopes, to provide an easy opening tear strip. (d) Applying adhesive connecting the first and second sheets of the outgoing envelope together at edges thereof, to form an outgoing envelope. And, (e) applying adhesive connecting the first and second sheets of the return envelope together at three edges thereof, leaving one open edge to allow access to the interior of the return envelope. Typically step (c) is practiced by providing the perforation of the tear strip perpendicular to the open edge of the return envelope, and in the bottom sheet of the return envelope, address information being provided on the top sheet of the return envelope. Also the bottom sheet of the return envelope typically is wider than the top sheet of the return envelope, overlapping at the fourth edge thereof, and having adhesive applied to the overlapping portion so that it can be bent back over and adhesively secured to the top sheet of the return envelope.

Brief Summary Text - BSTX (5): It is desirable to provide the tear strips in the outgoing and return envelopes parallel to each other, both in the bottom sheets of the respective outgoing and return envelopes. It is also desirable to provide an insert between the top sheet of the outgoing envelope and the top sheet of the return envelope, the insert not being adhesively secured to either envelope. The insert may have an edge portion which is adhesively secured to the outgoing envelope, but there is a die cut or perforation between the edge portion of the insert and the insert so that the insert may be readily removed from the outgoing envelope.

Brief Summary Text - BSTX (6): According to another aspect of the present invention a mailer type business form is provided. The business form comprises: An outgoing envelope comprising first and second sheets, each sheet having first, second, third and fourth edges, an adhesive securing the first and second sheets together at edges thereof. A slit formed parallel to and adjacent the second edge and intersecting the first edge, and a perforation disposed adjacent and parallel to the first edge and intersecting the slit, the perforation extending from the slit to essentially the fourth edge, both the slit and perforation being formed in the first sheet of the outgoing envelope to provide an easily openable tear strip. A return envelope disposed within the outgoing envelope, the return envelope formed from first and second sheets each having first through fourth edges, with adhesive attaching three of the edges together but leaving a fourth edge open to allow access to the interior of the return envelope. And, a slit formed parallel to and adjacent the second edge and intersecting the first edge, and a perforation disposed adjacent and parallel to the first edge and intersecting the slit, the perforation extending from the slit to essentially the fourth edge, both the slit and perforation being formed in the first sheet of the return envelope to provide an easily openable tear strip.

Detailed Description Text - DETX (2): The apparatus 10 illustrated in FIG. 1 is utilized in the method of continuously producing mailer type business forms according to the invention, which provide easy opening tear strips in both the outgoing and return envelopes. A roll 11 provides a second sheet for the outgoing envelope, roll 12 provides an insert, roll 13 provides a second sheet of the return envelope, roll 14 a first sheet of the return envelope, and roll 15 a first sheet of the outgoing envelope. Conventional slit and perf units 16 are provided for forming the tear strips in various sheets of the business form being constructed. As illustrated in FIG. 1, the units 16 are provided for forming the slits and perfs for the tear strip in the first sheets of both of the outgoing and return envelopes. However as illustrated in dotted line in FIG. 1, a unit 16 may be provided associated with the sheets 11, 13 instead of the sheets 14, 15; or may be associated with the sheets 11, 14, or 13, 15, depending upon the particular mailer being constructed.

Detailed Description Text - DETX (12): The return envelope 50 also preferably is constructed so that the bottom sheet 14 is wider than the top sheet 13. The top sheet 13 has the fourth edge 65 thereof inwardly spaced from the fourth edge 54 of the bottom sheet 14. Preferably a perforation 64 is provided at the overlapping portion of the bottom sheet 14, and wettable adhesive 66 or the like is provided on the overlapping

portion so that it may be bent over at the perforation 64 and adhesive 66 brought into contact with the top sheet 13 thereby adhesively securing the return envelope 50 after the check, or other paper, is inserted into the open end (at the fourth edges 54, 65) of the return envelope 50. Note that at the second edge 52 adhesive 69 connects the sheets 13, 14 together while at the first edge 51 and third edge 53 the adhesive 68 and 62 connects the sheets 13, 14 together.

Claims Text - CLTX (4): a <u>return envelope disposed within said outgoing envelope</u>, <u>said return envelope formed from first and second sheets</u> each having first through fourth edges, with adhesive attaching three of said edges together but leaving a fourth edge open to allow access to the interior of the return envelope; and

Claims Text - CLTX (6): 2. A mailer as recited in claim 1 wherein said fourth edge of said return envelope is the open edge, and wherein said first sheet of the return envelope comprises a bottom sheet and said second sheet of the return envelope comprises a top sheet, with address information applied to the second, top sheet.

Claims Text - CLTX (7): 3. A mailer as recited in claim 2 wherein said bottom sheet of said return envelope is wider than said top sheet of said return envelope, said bottom sheet of said return envelope having a fourth edge thereof spaced from the fourth edge of said top sheet of said return envelope, an adhesive applied to the portion of said bottom sheet of said return envelope extending past the fourth edge of said top sheet of said return envelope adjacent the fourth edge of said top sheet of said return envelope may be folded over and adhesively secured to said top sheet of said return envelope.

Claims Text - CLTX (9): 5. A mailer as recited in claim 4 wherein said outgoing envelope first sheet is the bottom sheet, said outgoing envelope second sheet is the top sheet and having address information formed thereon, and wherein said insert is provided between the top sheet of said outgoing envelope and the top sheet of said return envelope.